

19980105.ba v01\_n865.bam.980105 v01\_n866.bam.980105

>From ???@??? Mon Jan 05 06:19:21 1998  
Message-Id: <199801050720.BAA29633@sco.theporch.com>  
Date: Mon, 5 Jan 1998 01:20:03 CST  
Subject: BOATANCHORS digest 1865

BOATANCHORS Digest 1865

Topics covered in this issue include:

- 1) Re: Tube Dreams  
by William Donzelli <william@ans.net>
- 2) BA sighting  
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 3) 50A1 barretter  
by Morris Odell <morriso@vifp.monash.edu.au>
- 4) 8873 Tube Needed  
by ab5wg@von1.com (Ron Eisenbrey)
- 5) HP202B  
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 6) Re: Tube Dreams  
by gpewitt@execpc.com
- 7) Re: V large chokes...how large?  
by Ho4bart <Ho4bart@aol.com>
- 8) More on Tube Dreams  
by Scott Robinson <spr@earthlink.net>
- 9) Heath HO-10 monitor scope for trade  
by wallace@world.std.com (Andy Wallace)
- 10) Microtubes  
by "Robert Nickels" <ranickel@mwci.net>
- 11) Re: Curve Tracer  
by w7ni@teleport.com (Stan Griffiths)
- 12) TMC MSR-9 - Xtal Oven wanted  
by "sierra.victor" <sierra.victor@swipnet.se>
- 13) Re: riveted ground lugs  
by jackiv@juno.com (John M Iverson)
- 14) TUBE ID?  
by "Jack Hart" <wa2hwj@worldnet.att.net>
- 15) WTB: HP 606B & HP 8087A manuals  
by "Arden Allen" <aallen@sirius.com>
- 16) Re: TUBE ID?  
by "Mike B. Feher" <n4fs@monmouth.com>
- 17) Need Help  
by "Lloyd A. Scott, Jr." <wpul1130@concentric.net>
- 18) Heath label  
by Avery Comarow <acomarow@USNEWS.COM>
- 19) Re: Epoxy? Never on glass

by Edward Zeranski <ejz@nosc.mil>  
20) Re: Another component source  
by Dexter Francis <cwest@xmission.com>  
21) WTD - Knob  
by Morris Odell <morriso@vifp.monash.edu.au>  
22) Re: TUBE ID?  
by "A.B. Bonds" <ab@vuse.vanderbilt.edu>  
23) Re: Epoxy? Never on glass  
by Ed Tanton <n4xy@bellsouth.net>  
24) Re: TUBE ID?  
by "Walt Novinger" <wnovinger@shaw.wave.ca>  
25) DY-9/ARC-1 dynamotor  
by Jim Coe W5JI <jcoe@brightok.net>  
26) TBX GENERATOR CRANKS  
by "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>  
27) Number for Fluke differential meter?  
by WILLIAM HAWKINS <bill@iaxs.net>  
28) Re: More on Tube Dreams  
by WILLIAM HAWKINS <bill@iaxs.net>  
29) FS: Books, manuals, paper, etc.  
by Sheldon Wheaton <swheaton@sky.net>  
30) tube ID <again>  
by Brian.Harris@sv.sc.philips.com (Brian Harris)

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Date: Sun, 4 Jan 1998 15:52:58 -0500 (EST)  
From: William Donzelli <william@ans.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Tube Dreams  
Message-ID: <Pine.GS0.3.96.980104133837.22133A-1000000@titan.purch.ans.net>

> Has anyone heard of this or similar fabrications? Could the  
> semiconductor industry have produced the means to re-invent  
> thermionic devices?

Every so often, the military or some university tries to make micro tubes,  
and they all conclude that they would be nice, but they just do not work  
well. The best density anyone has gotten is about 10,000 devices per  
square centimeter.

Someone even tried a hybrid device called an "electron bombardment  
semiconductor", but that really went nowhere.

William Donzelli  
william@ans.net

-----  
Date: Sun, 4 Jan 1998 01:46:51 -0800  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
To: boatanchors@theporch.com  
Subject: BA sighting  
Message-ID: <000F237D.001914@svlima.sv.sc.philips.com>

While watching Patriot Games on HBO this evening I noticed a National 'blue' receiver during a scene at a training camp in the desert. The camera panned so fast that I could not tell which flavor it was. The only way I knew what it was is that I have two of them here (NC-190 and NC-270).

Brian Harris WA5UEK

-----  
Date: Mon, 05 Jan 1998 08:35:12 +1100  
From: Morris Odell <morriso@vifp.monash.edu.au>  
To: boatanchors@sco.theporch.com  
Subject: 50A1 barretter  
Message-ID: <34B00090.6D07@vifp.monash.edu.au>

Hi all,

Could the person who was looking for the specs of the 50A1 ballast tube please email me privately. I've found one.

73 de Morris VK3D0C

-----  
Date: Sun, 04 Jan 1998 15:43:28 -0600  
From: ab5wg@von1.com (Ron Eisenbrey)  
To: boatanchors@theporch.com  
Subject: 8873 Tube Needed  
Message-ID: <34B00280.55AB67E5@von1.com>

If anyone on this list has an extra 8873 Triode that they would be willing to sell or trade, please contact me via email.

73, Ron, AB5WG

Date: Sun, 4 Jan 1998 15:51:42 -0800  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
To: boatanchors@theporch.com  
Subject: HP202B  
Message-ID: <000F23A8.001914@svlima.sv.sc.philips.com>

Today I got a Hewlett-Packard 202B Low Frequency Oscillator from a friend. I would like to pay him what it's worth. Any thoughts? It's dirty, a little scratched and needs, at the least, a new line cord and cleaning/lubrication of the gear train.

I have no manual. I would like to buy a copy or borrow someone's to copy and return.

Any former/current owners of a 202B are invited to offer their comments concerning this great-looking, nine-tube generator that has four ganged capacitors (in a bridge?). It has a pair of 6Y6's (output tubes?). If so, it ought to be capable of delivering a bit of power into a 600 Ohm load.

73,

Brian Harris WA5UEK  
3521 Teakwood Lane  
Plano, Texas 75075

-----  
Date: Sun, 4 Jan 98 15:59:54 PST  
From: gpewitt@execpc.com  
To: boatanchors@listserv.tempe.gov, boatanchors@theporch.com  
Subject: Re: Tube Dreams  
Message-ID: <Chameleon.980104161305.gpewitt@execpc.com>

Only 10,000 per square centimeter? Sounds pretty good to me. How many semi conductor devices were on the first generation of ic's? I think you could do quite a lot with that many tubes in a package. After all you wouldn't be trying to replace ic's but to do jobs they are not good at such as analog functions. I didn't realize they had gotten that far with research. I'd like to find more information on this subject.

-----Original Message-----

> Has anyone heard of this or similar fabrications? Could the  
> semiconductor industry have produced the means to re-invent  
> thermionic devices?

Every so often, the military or some university tries to make micro tubes, and they all conclude that they would be nice, but they just do not work

well. The best density anyone has gotten is about 10,000 devices per square centimeter.

Someone even tried a hybrid device called an "electron bombardment semiconductor", but that really went nowhere.

William Donzelli  
william@ans.net

-----End of Original Message-----

-----  
Name: Gary Pewitt N9ZSV/KT  
6120 W. Calumet Rd. Apt 204  
Milwaukee, WI 53223  
414 355 8147 Home 414 297 4307 Work  
E-mail: gpewitt@execpc.com  
Date: 01/04/98  
Time: 15:59:54

-----  
-----  
Date: Sun, 4 Jan 1998 17:30:55 EST  
From: Ho4bart <Ho4bart@aol.com>  
To: boatanchors@theporch.com  
Subject: Re: V large chokes...how large?  
Message-ID: <1af8eed9.34b00da1@aol.com>

In a message dated 98-01-04 09:50:47 EST, broehrig@admin.aurora.edu writes:

> I am wondering about something - I think 700H was mentioned. With a  
> choke that big I am guessing that the distributed capacitance would  
> cause self resonance at a fairly low frequency. Has anyone checked  
> this out?  
>

regen receivers have this phenomenon called "fringe howl" where at the just-before oscillation setting, there is a not-extremely loud but very annoying high pitched audio tone constantly there. i'm not at this point convinced that it's directly connected to a choke resonance in the audible audio range, because this seemed to afflict receivers with a wide variety of chokes. i'd like to hear anyone else's input on what causes this, if it's not simply a matter of in-audio spectrum resonance. anyway if it does prove

a problem, you can "de-que" the inductance by putting a resistance of several tens of thousands of ohms accross it. like maybe start about 47k and go up or down, using the highest that will get rid of the fring howl. I worked on a BC-474 army trans-receiver that had a similar problem in the audio output stage. i just did this "de-que" procedure. Walt Hutchins who wrote many of those swell articles in ER about military gear had a somewhat more elaborate solution, adding negative feedback to the stage. let's see, i'm wondering if my post has anything to do with the previous. well, i got here by regen detectors => chokes in plate circuit => large chokes => fringe howl.  
hue

-----  
Date: Sun, 4 Jan 1998 14:38:07 -0800  
From: Scott Robinson <spr@earthlink.net>  
To: boatanchors@theporch.com  
Subject: More on Tube Dreams  
Message-ID: <v03007804b0d5bf3290e6@[153.34.139.248]>

Folks,

About tow years ago I heard that some success was being had in making arrays of mountains on a chip with tips only a few molecules wide so that the normal electric field concentrations due to very sharp curvature would strips electrons out of the subsrtare material at room temperatures. The idea again was to build vacuum tube arrays with IC fab methods. Apparently it was working, and they were quite fast as well. Haven't heard much since...

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Date: Sun, 04 Jan 1998 23:01:40 GMT  
From: wallace@world.std.com (Andy Wallace)  
To: boatanchors@sco.theporch.com  
Cc: wallace@world.std.com

Subject: Heath HO-10 monitor scope for trade  
Message-ID: <34b81043.13690660@world.std.com>

Hi, Folks! I have been staring at a few things in my collection and have decided that some of the small things I'm not very attached to will have to go. Since I have a C.E. MM-2 monitor scope, I am offering this pretty nice Heath HO-10 scope for trade.

This is the gloss green model; perhaps it was the only style. Light green front panel and dark green knobs. Cabinet has many small paint chips on the top and some on the other three sides. No rust. Front panel, knobs, bezel, and graticule are near-perfect. Has original cord with dual-fuse plug. Four fine feet.

Mod: looks like someone added an adjustable coil to the back of the chassis, above the top ANT jack, filing away some of the back edge of the cover for clearance. Neatly done, function unknown (I have never opened it) but possibly some sort of trap.

Functionality: lights up and works fine as a modulation monitor scope. As with most of these, the two-tone generator is non functional, but can be fixed by replacing the "integrated circuit" type doodad with discrete caps, etc. Power switch failed and previous owner wired the set permanently "on" but perhaps the switch could be repaired.

I believe I have a manual copy and will include it in the deal.

A picture is at:

<http://world.std.com/~wallace/HO-10.JPG>

but doesn't do it justice -- the top is not discolored like that, my scan was!

All in all not a bad example of something which is probably from the Apache days.

Would prefer a trade for something like:

National HRO-50 coilsets (grey hammertone, engraved info)

Drake RV-4C remote VFO

Drake 2-AC plug-in calibrator

Drake SPR-4 accessory boards

Drake 2-AS/BS/CS speaker

FT-243 crystals in the 5000-5440 kc range

Drake 7-line accessories

Central Electronics 100V transmitter CLIPPER or LIMITER plug-ins

Central Electronics Sideband Slicer model A or B

What have you?

We'll see how this works out. Of course, there will be some cash involved on my side or your side, depending on the value of the trade offered. For convenience, U.S. boatanchorites only, and I would prefer any monies exchanged to be in Postal Money Orders.

If you would like to sell me any of the above items outright, feel free to email me!

I will have other, small items for trade or sale soon. I'd like this to be a positive experience for all, and, need it be said, I am not a dealer.

Thanks!

--Andy

wallace@world.std.com

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Curly: Oh....short wave?

Moe: No! Poimanent.

<BONK!>

(THEY STOOGE TO CONGA, 1943)

-----  
Date: Sun, 4 Jan 1998 17:03:52 +0000  
From: "Robert Nickels" <ranickel@mwci.net>  
To: boatanchors@theporch.com  
Subject: Microtubes  
Message-ID: <199801042304.RAA08603@subcellar.mwci.net>

Hi All,

I did a quick search to see what could be found on the internet on the topic of micromachined vacuum tubes. For the curious, here are a couple of interesting references:

[http://www-bsac.eecs.berkeley.edu/research/vacuum\\_devices/](http://www-bsac.eecs.berkeley.edu/research/vacuum_devices/)  
(includes SEM and photomicrographs of a tungsten microtube,  
but no performance data...)

A conference paper on the microtriode work can be downloaded from the homepage of researcher Kirt Williams at:  
<http://www-bsac.eecs.berkeley.edu/~williams/>

And some comment on the topic from rec.audio.tubes NG:  
<http://uts.cc.utexas.edu/~mic/info/amps/tubes/Tomorrows-tubes>

Seems clear that the 6L6 is safe for now, these devices are years



from commercialization, if in fact there would be a market need. But it's pretty cool that at least one guy will be receiving a Masters degree from Berkeley in TUBES!

73, Bob W9RAN

-----  
Date: Sun, 4 Jan 1998 15:04:57 -0800 (PST)  
From: w7ni@teleport.com (Stan Griffiths)  
To: wpul1130@concentric.net  
Cc: boatanchors@theporch.com  
Subject: Re: Curve Tracer  
Message-ID: <199801042304.PAA11968@smtp3.teleport.com>

>Greetings and Happy New Year: Does any one have diagram for a  
>curve tracer. I will be happy to pay for a copy. Many thanks  
>in advance and 73's  
>Lloyd Scott

If you are talking about a vacuum tube curve tracer, I only know of one that was ever manufactured commercially--the Tektronix Type 570. They printed a manual for it which includes schematic diagrams and I am sure you can get one or a good copy from any of the guys who regularly supply manuals to this group.

Stan w7ni@teleport.com

-----  
Date: Mon, 5 Jan 1998 00:09:25 +0100  
From: "sierra.victor" <sierra.victor@swipnet.se>  
To: <boatanchors@theporch.com>  
Subject: TMC MSR-9 - Xtal Oven wanted  
Message-ID: <01bd1965\$cd7c2b20\$7154f482@sekrasw104>

Det h r  r ett multipart-meddelande i MIME-format.

-----=\_NextPart\_000\_0043\_01BD196E.2F409320  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hi Folks,  
Need a xtal oven (17 kHz xtal is OK) for a ssb-converter CV-1758/URR (MSR-9). Oven is a Bliley TCO-14LS (round body 2 1/4" high w 8-pins octal socket).

Or can anyone tell me if it can be repaired. Think thermostat is faulty.  
I also need a 438 kHz xtal HC-6/U. Thank you for all info.

73, Sven, SM3SV  
sierra.victor@swipnet.se

-----=\_NextPart\_000\_0043\_01BD196E.2F409320

Content-Type: text/html;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">

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<META content=3Dtext/html; charset=3Diso-8859-1 =

http-equiv=3DContent-Type>

<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

</HEAD>

<BODY bgColor=3D#ffffff>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Hi Folks,</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Need a xtal oven (17 =  
kHz xtal is OK)=20

for a ssb-converter CV-1758/URR</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>(MSR-9). Oven is a =  
Bliley TCO-14LS=20

(round body 2 1/4" high w 8-pins</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>octal =  
socket).</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>Or can anyone tell me =  
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repaired. Think thermostat is faulty.</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>I also need a 438 kHz =  
xtal HC-6/U.=20

Thank you for all info.</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2></FONT>&nbsp;</DIV>

<DIV><FONT color=3D#000000 face=3DArial size=3D2>73, Sven, =  
SM3SV</FONT></DIV>

<DIV><FONT color=3D#000000 face=3DArial=20  
size=3D2>sierra.victor@swipnet.se</FONT></DIV></BODY></HTML>

-----=\_NextPart\_000\_0043\_01BD196E.2F409320--

-----  
  
Date: Sun, 4 Jan 1998 18:40:47 CST  
From: jackiv@juno.com (John M Iverson)

To: jherman@sierra.net  
Cc: boatanchors@theporch.com  
Subject: Re: riveted ground lugs  
Message-ID: <19980104.185208.3582.0.jackiv@juno.com>

jeff common problem in many old rigs get your 100 watt "american beauty" iron out and resolder every tube socket and terminal strip to the chassis. however if it is an aluminum chassis another approach is needed, obtain a quantity of #3 x 3/8" sheet metal screws and drill a hole through the edge of the socket or term. strip and run the screw through both the chassis and offending thing.. should clear problem for many moons.. use proper size drill or the screw or yo are;;;;  
Jack Iverson K0EWU jackiv@juno.com RCA , QCWA, ARCI, IEEE LM, ARRL-

jackiv@starnet.net.com AMI

645 jack's wizard works

On Sat, 3 Jan 1998 14:35:36 -0800 (PST) "J. Herman" <jherman@sierra.net> writes:

>I noticed none of the filaments nor the dial lamps for my Galaxy  
>lit up. The PS's 12.6vac line showed no problems, so I removed  
>the rig's bottom cover. I immediately saw the possible problem - the  
>ground lead from the power connector went to a ground lug that  
>was riveted to the chassis. I attached a screw-on ground lug to  
>the nearest through-chassis screw, and resoldered the connector  
>to it. Upon power up, everything lit up as it should.

>

>I'm now struck with just how many rivets are used in this rig (never  
>took notice before); every terminal strip and tube socket is riveted  
>to the chassis. I'm going to redo every lead that's attached to one  
>of these riveted joints. (Galaxy should have known better than to  
>use rivets!!)

>

>One great worry: Did I shorten tube life by having B+ applied but  
>no filament voltage? I'd say at least one minute went by before  
>I turned off the rig. (The Galaxy GT-550's PS is SS, so B+ was  
>immediately applied - there's no warm-up - B+ is \*not\* gradually  
>increased).

>

>73, Jeff KH2 PZ / 7

>

>

-----

Date: Sun, 4 Jan 1998 19:56:33 -0500  
From: "Jack Hart" <wa2hwj@worldnet.att.net>  
To: "boatanchors" <boatanchors@theporch.com>

Subject: TUBE ID?

Message-ID: <19980105005724.AAA16626@default>

I came across an RCA UX245 tube in my most recent "basement search" [every once in awhile I go through all of the boxes and rediscover things I forgot I had]. Can't seem to find any info about it in the manuals I have. It's the standard four-pin base. Can anyone help?  
73, Jack, WA2HWJ

-----  
Date: Sun, 4 Jan 1998 17:09:26 -0800

From: "Arden Allen" <aallen@sirius.com>

To: "Old Tube Radios" <boatanchors@theporch.com>

Subject: WTB: HP 606B & HP 8087A manuals

Message-ID: <199801050108.RAA11879@mail1.sirius.com>

Goo'day fellow heater heads;

I acquired an HP 606B sig gen and HP 8087A synchronizer at moreLiver today. They will keep me in the workshop for a while. The sig gen came with a manual but it's the umpty-ninth generation and unreadable in many places. Can anyone with these manuals supply me with good quality copies? I will jolly well pay a reasonable price to obtain said copies. Thanks in advance for your consideration.

PS; There was no roach coach at LM this morning. What's this world coming to????

Give your loved ones Gummy Bears.

Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

-----  
Date: Sun, 4 Jan 1998 20:20:03 -0800

From: "Mike B. Feher" <n4fs@monmouth.com>

To: <wa2hwj@worldnet.att.net>, "Old Tube Radios" <boatanchors@theporch.com>

Subject: Re: TUBE ID?

Message-ID: <199801050118.UAA01295@shell.monmouth.com>

Jack -

Look under type 45 which was the generic number. This by the way is a desirable audio tube. 73s - Mike

Mike B. Feher, N4FS  
89 Arnold Blvd.

Howell, NJ, 07731  
732-901-9193

>  
> I came across an RCA UX245 tube in my most recent "basement search"  
[every  
> once in awhile I go through all of the boxes and rediscover things I  
forgot  
> I had].  
> Can anyone help?  
> 73, Jack, WA2HWJ

-----  
Date: Sun, 04 Jan 1998 17:32:46 -0800  
From: "Lloyd A. Scott, Jr." <wpul11130@concentric.net>  
To: boatanchors@theporch.com  
Subject: Need Help  
Message-ID: <34B0383E.7182@concentric.net>

Greetings and Happy New Year: I am looking for the following information

- (1) Diagram and or Manual for a Tektronix Model 570 Curve Tracer
- (2) URL for Fords Surplus in Canada.

Many thanks and 73's  
Lloyd Scott

-----  
Date: Sun, 4 Jan 1998 19:39:45 -0600 (CST)  
From: Avery Comarow <acomarow@USNEWS.COM>  
To: boatanchors@theporch.com  
Subject: Heath label  
Message-ID: <199801050139.TAA20136@sco.theporch.com>

I just unearthed a self-adhesive Heathkit label--remember how you'd stick these onto the cabinet when you were finally done?--that I'll send for a buck to whoever makes a good case for wanting it. It may be for a relatively recent product. It's a metal strip about 2-5/8" long and a little over 3/8" high, with HEATHKIT in silver caps against a black background. Brand new.

Avery W40GK

-----  
Date: Sun, 04 Jan 1998 17:48:38 -0800  
From: Edward Zeranski <ejz@nosc.mil>  
To: aallen@sirius.com  
Cc: boatanchors@theporch.com  
Subject: Re: Epoxy? Never on glass  
Message-ID: <3.0.1.32.19980104174838.0070c96c@marlin.nosc.mil>

At 11:57 AM 1/4/98 -0800, you wrote:  
>There are epoxies that remain flexible upon cure. One such type is used  
>for bonding heatsinks which have a large expansion coefficient.

I have used thermal epoxy to rebind tube envelopes to bases over a period of 12 years and have never lost a tube due to epoxy/glass interface probs. Have even used a dab under plate caps before resoldering the cap. Only thing with this stuff is the color, cobalt blue, so you have to be very neat in application. My original use for the stuff was to bond heatsinks to highspeed hybrid line drivers and optical transmitters about 13 years ago. Original BA guinea pigs were two used 807s that were squiggly on both ends, both survived. Later saved some KT88s etc for local Tube Audio fiend. Will look up the source and specs/cost on the stuff tomorrow if you are interested.

Ed Zeranski This is a private opinion or statement.  
home email: ezeran@cris.com

-----  
Date: Sun, 04 Jan 1998 18:43:43 -0700  
From: Dexter Francis <cwest@xmission.com>  
To: "J. Herman" <jherman@sierra.net>  
Cc: boatanchors@theporch.com, glowbugs@www.atl.org  
Subject: Re: Another component source  
Message-ID: <34B03ACE.6088@xmission.com>

The Voluntary HF Band Allocation indicates that  
CW and RTTY run from 1.800 to 1.840 and Phone  
runs from 1.840 to 1.850 DX and 1.840 to 2.000  
generally. This puts it in the DX phone band.

-df

-----  
Need to Buy or Sell Tubes, Parts or BA Gear?

Visit our Web site at <http://www.xmission.com/~cwest/>  
e-mail to: [tubes@usa.net](mailto:tubes@usa.net) -or- [cwest@xmission.com](mailto:cwest@xmission.com)  
P.O. Box 22443, Salt Lake City, Utah 84122

-----  
Date: Mon, 05 Jan 1998 12:42:25 +1100  
From: Morris Odell <[morriso@vifp.monash.edu.au](mailto:morriso@vifp.monash.edu.au)>  
To: [boatanchors@sco.theporch.com](mailto:boatanchors@sco.theporch.com)  
Subject: WTD - Knob  
Message-ID: <34B03A81.5815@vifp.monash.edu.au>

Hi all,

I'm in need of a knob for a Collins 51J4.

It's a black bakelite Daka-Ware knob with a skirted base 1 3/4" in diameter. Overall height is 7/8". The knob part on top has 8 "corrugations" and is 1 3/8" across the tips. There is a circular ridge moulded into the top face. It fits on a standard 1/4" shaft with 2 bristol grub screws (not required).

If anyone could help me with this I'd be very grateful.

73 de Morris VK3DOC

-----  
Date: Sun, 04 Jan 1998 20:22:58 -0600  
From: "A.B. Bonds" <[ab@vuse.vanderbilt.edu](mailto:ab@vuse.vanderbilt.edu)>  
To: [boatanchors@sco.theporch.com](mailto:boatanchors@sco.theporch.com)  
Subject: Re: TUBE ID?  
Message-ID: <1.5.4.32.19980105022258.00bcdd74@mailhost.vuse.vanderbilt.edu>

At 07:56 PM 1/4/98 -0500, you wrote:

>I came across an RCA UX245 tube in my most recent "basement search" [every  
>once in awhile I go through all of the boxes and rediscover things I forgot  
>I had]. Can't seem to find  
>any info about it in the manuals I have. It's the standard four-pin base.  
>Can anyone help?  
>

Aww, it's just an old piece o' junk. I'd throw it out so you have more room. Tell you what, I'll throw it out for you.....

Audio triode, going for anywhere from \$30 to \$100 (go figure) these days. Don't ask why.

A. B. Bonds

-----  
Date: Sun, 04 Jan 1998 21:45:19 -0500  
From: Ed Tanton <n4xy@bellsouth.net>  
To: marty@aa4rm.radio.org  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Epoxy? Never on glass  
Message-ID: <3.0.1.32.19980104214519.00ba36f0@mail.atl.bellsouth.net>

Hi Marty... et al... That's interesting!!! One of the virtues of Silastic-type silicone sealers is supposedly their non-shrinkage (which is why they work so well for fish-tanks. Of course, I want to repeat again you should NEVER EVER use the acetate kind around anything electrical/electronic, but (also again) there's electronic grade RTV available from most auto-parts stores made by Permatex and specifically rated non-corrosive 'for electronic sensors' right on the tube. Cures more slowly, but still great stuff. After this blurb about epoxy shrinking/etc. I guess that narrows it down to the RTV for me.

Ed Tanton N4XY

-----  
Date: Sun, 4 Jan 1998 20:09:29 -0700  
From: "Walt Novinger" <wnovinger@shaw.wave.ca>  
To: <ab@vuse.vanderbilt.edu>, "Old Tube Radios" <boatanchors@theporch.com>  
Subject: Re: TUBE ID?  
Message-ID: <009701bd1987\$5697a4e0\$eb164018@wbn-home.shaw.wave.ca>

A.B. is right...I recently paid US\$75 each for two of these critters for an old RCA console radio. Very nice sound...probably why the glass-ear crowd likes them so much.

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
wnovinger@shaw.wave.ca	

-----Original Message-----

From: A.B. Bonds <ab@vuse.vanderbilt.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Sunday, January 04, 1998 7:23 PM  
Subject: Re: TUBE ID?

>At 07:56 PM 1/4/98 -0500, you wrote:



>>I came across an RCA UX245 tube in my most recent "basement search" [every  
>>once in awhile I go through all of the boxes and rediscover things I  
forgot  
>>I had]. Can't seem to find  
>>any info about it in the manuals I have. It's the standard four-pin base.  
>>Can anyone help?  
>>  
>Aww, it's just an old piece o' junk. I'd throw it out so you have more  
>room. Tell you what, I'll throw it out for you.....  
>  
>Audio triode, going for anywhere from \$30 to \$100 (go figure) these days.  
>Don't ask why.  
>  
>A. B. Bonds  
>  
>

-----  
Date: Sun, 4 Jan 1998 21:54:45 -0600 (CST)  
From: Jim Coe W5JI <jcoeb@brightok.net>  
To: boatanchors@sco.theporch.com  
Subject: DY-9/ARC-1 dynamotor  
Message-ID: <199801050354.VAA18940@cowboy.brightok.net>

I have one of these which looks to be in good condx.  
Don't know what it works with. Specs are 28VDC in at  
4.0 amps, 360 VDC out at 135 mA.

I have no need for it, so if anyone needs it, please  
let me know and we'll work out a fair exchange.

Thanks es 73's.....Jim

-----  
Jim Coe W5JI                      Hollowstaters should never tell their  
Oak Crest(Antenna)Farm           paramours that the glow in their  
Davis, OK, USA                   eyes reminds them of a favorite radio!!  
-----

-----  
Date: Mon, 5 Jan 1998 00:34:33 -0500  
From: "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>  
To: BOATANCHORS <boatanchors@theporch.com>  
Cc: "DICECCA, CHARLES, KA1GON" <BC375@tiac.net>,  
"DONZELLI, WILLIAM" <william@ans.net>,

Subject: TBX GENERATOR CRANKS

Message-ID: <199801050035\_MC2-2E0B-A46E@compuserve.com>

Group,

Tom Horsfall and I are trying to settle the mystery once and for all of what are the correct hand cranks to use with the NT-21263-(\*) DC Generator

(p/o Navy Models TBO and TBX Radio Sets). Between us, we have seven or eight manuals dated from 10/42 to 10/45, none of which list a "real" part-

number for the cranks. We know that the short throw Signal Corps GC-6's will work, because they are bent such that the throw isn't at right angle-

s to the crankshaft. The GC-7's won't, as the left one strikes the PTO cover

(the same generator is used with the EF gasoline generator sets). The GC-14, which has a longer drive shank and the same throw as the GC-7, will

also work. Can anyone shed any light on this matter?

Also, I'm still looking for the EAO (AC), EAP (dynamotor) and 20337 (vibrator) power supplies for the TBX-8, as well as parts to complete the-

spares kit. The EAO and EAP will also have five-digit numbers but I don't

have them handy. The nameplates will say something like "A Unit Of Model-

EAO Power Supply Equipment". I have EF-8 generators to trade, or will pay

cash or other trade items. =

73, Robert W. Downs, WA5CAB  
RWDowns\_WA5CAB@compuserve.com  
Houston, TX

-----  
Date: Sun, 4 Jan 1998 23:53:13 -0600 (CST)  
From: WILLIAM HAWKINS <bill@iaxs.net>  
To: boatanchors@sco.theporch.com  
Subject: Number for Fluke differential meter?  
Message-ID: <199801050553.XAA13909@citrus.iaxs.net>

Picked up a Fluke meter that I recognised, but the nameplate with model number is gone so I can't order a manual. Would like to hear from anyone who recognises this description:

9" wide X 12" high X 16" deep. Zero center meter at top left with 500-0-500 and 1-0-1 scales. Vertical row of five decade switches on the right, labelled A-E. Under the meter is an Operate/Calibrate switch and cal knob, a range switch and a function switch, a power switch, and a rotary selector for AC/-/+ next to the input terminals. Inside are green circuit boards with various tubes, but no model or serial number. Has a Tobyhanna tag, but that's not useful.

Also picked up a Heath IB-2A impedance bridge, with the intent of fixing it up and passing it on. But if anyone wants it as-is for say, \$25, let me know.

Don't traffic in toothless bears,  
Bill Hawkins bill@iaxs.net Mpls, MN 55438

-----  
Date: Mon, 5 Jan 1998 00:38:27 -0600 (CST)  
From: WILLIAM HAWKINS <bill@iaxs.net>  
To: boatanchors@theporch.com, spr@earthlink.net  
Subject: Re: More on Tube Dreams  
Message-ID: <199801050638.AAA13962@citrus.iaxs.net>

Scott (and anybody still interested),

There's an article in Jan 98 issue of "Electronics Now" that's reprinted from an Aug 97 Japanese magazine that describes a prototype device with a silicon tip inside a hole 2 microns across. Looks like an Edgerton picture of a milk drop. It was tested for stability in a high vacuum chamber with an anode 3 cm away, at 2 KV. They claim an integration density of 107/sq cm (which doesn't seem very dense). The goal is a flat CRT called a field emission display (FED). The unstated goal is to replace the last vacuum tube in common use.

This really doesn't have much to do with BA, so I'll close with this quote from Robert Wilensky:

"We've all heard that a million monkeys banging on a million typewriters will eventually reproduce the entire works of Shakespeare. Now, thanks to the Internet, we know this is not true."

Regards,  
Bill Hawkins bill@iaxs.net

-----

Date: Mon, 5 Jan 1998 01:04:55 -0600 (CST)  
From: Sheldon Wheaton <swheaton@sky.net>  
To: BA List <boatanchors@sco.theporch.com>  
Subject: FS: Books, manuals, paper, etc.  
Message-ID: <Pine.GS0.3.96.980105005733.27871A-100000@sky.net>

I have recently updated my listing of boat anchor related books, manuals, paper items, etc, on my Web Site, with numerous new items, and price reductions on many of the ones that have been there for a while.

Lots of new for National, RME, and Heathkit are listed for the first time.

Take a look at:

<http://www.sky.net/~swheaton/books.htm>

Or email me for a text version if you like.

73,  
Sheldon

-----  
Date: Mon, 5 Jan 1998 01:11:46 -0800  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
To: boatanchors@theporch.com  
Subject: tube ID <again>  
Message-ID: <000F25AC.001914@svlima.sv.sc.philips.com>

I have the following unusual tubes needing ID:

2J50 (E043138) - these markings are embossed in this large, mostly metal tube. It has a waveguide (output?) and two banana plug size sockets in the top of a very thick glass cover that is over a much smaller tube. Through the waveguide opening another tube (or section of the first) is visible. Painted on the mounting flange is 2J50 and V6.

JAN-CW-705A (VT-255) - this Western Electric tube has four short thick pins and a plate connection (like a 5894) out the top.

715B - this Raytheon tube has four base pins similar to the 705A but it has a large plate cap and is much bigger. The plate and the plate cap are about the size of an 813.

73, Brian

-----  
End of BOATANCHORS Digest 1865

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>From ???@??? Tue Jan 06 10:23:19 1998  
Message-Id: <199801052348.RAA29142@sco.theporch.com>  
Date: Mon, 5 Jan 1998 17:48:05 CST  
Subject: BOATANCHORS digest 1866

BOATANCHORS Digest 1866

Topics covered in this issue include:

- 1) The 500 pound regenerative detector...  
by "Thomas A. Adams" <103360.2133@compuserve.com>
- 2) whatsa TS-323  
by Randy Zelick <h2rz@odin.cc.pdx.edu>
- 3) Re: tube ID <again>  
by Ethan <ethan@olywa.net>
- 4) Re: tube ID <again>  
by jackiv@juno.com (John M Iverson)
- 5) Re: The 500 pound regenerative detector...  
by Ken Gordon <keng@uidaho.edu>
- 6) Biraud book  
by midshires@cix.co.uk (Andrew Emmerson)
- 7) Re: audio howl in regens  
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 8) Re: Epoxy? Never on glass  
by "Bob Duckworth" <wb4mnf@atl.org>
- 9) Re: V large chokes...how large?  
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 10) Re: V large chokes...how large?  
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 11) New BA's in Titanic  
by n5off@w5ddl.aara.org
- 12) WTB SK 600 Sockets  
by "Fishman, Clark" <cfishman@pica.army.mil>
- 13) Re: New BA's in Titanic  
by arc5@ix.netcom.com
- 14) Strip-X one more time  
by john <johnmb@mindspring.com>
- 15) NC 300 ACCS WTB  
by shep shepard <shep@northlink.com>
- 16) REWARD For 1930s QSL Card  
by "Samuel C. Macy" <sammac@interaccess.com>

- 17) FS: Old Technical Books  
by RSOLOMON@systems.TEXTRON.COM
- 18) ADMINISTRIVIA: Using The Archives  
by listown@jackatak.theporch.com (Mail List Owner)
- 19) Re: New BA's in Titanic  
by "Grant Youngman" <nq5t@gte.net>
- 20) QST's AVAILABLE 1950-1994  
by Terry Muncey <Terry@electrosys.com>
- 21) Titanic - some parts supplied by...  
by Brien Pepperdine <pepperb@gov.on.ca>
- 22) Toob sale  
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 23) For Trade  
by Merv Schweigert <k9fd@htc.net>
- 24) GRC-109 info  
by Pete McCollum 05-Jan-1998 1343 -0700 <mccollum@ssdevo.UNET.dec.com>
- 25) FS: KWM-2, 516F-2, 312B-4  
by Bill Coleman N2BC <n2bc@ibm.net>
- 26) Re: The 500 pound regenerative detector...  
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>

-----  
Date: Mon, 5 Jan 1998 02:19:09 -0500  
From: "Thomas A. Adams" <103360.2133@compuserve.com>  
To: BOATANCHORS <BOATANCHORS@theporch.com>  
Subject: The 500 pound regenerative detector...  
Message-ID: <199801050220\_MC2-2E0A-2D07@compuserve.com>

Hmmm...

All these questions about the huge plate inductors used in regenerative receivers just brought up a VERY wierd thought here...

In the W9LBB Garage / Surplus Parts Dump / Workshop, there is a BIG, half constructed AM transmitter. The modulator iron components for it are lifted (with much grunting and straining) from a 1 KW Collins AM broadcast rig.

Ya wanna talk 500 Henry inductors??? OK...

The audio shunt reactor, from a 20V2 or 20V3, is 500 Henries at 500 MADC. Enough inductance for a regenerative detector, but a hell of a lot MORE current carrying capacity than you'd EVER need. The beast has a footprint of about 12" x 12", and stands maybe 18" high. Weight is about 125 pounds.

In my tube collection is a good, used type 849 transmitting triode, circa about 1938 or thereabouts (about 14" high, and 5" across. Plate dissipation is 250 watts, and it has blades and lugs for connection points).

Maybe this is nuts, but how about getting the two together to (temporarily) build the world's BIGGEST regen receiver? With maybe 500 VDC on the plate, the damned thing would probably run a speaker... DIRECTLY, without an audio amplifier stage!

As everyone who has ever used a regen knows, if the feedback is set too high it breaks into oscillation, and can be copied on other receivers in the general area. If something like THIS did it, you'd probably be copied in the next county, and be in violation of FCC regulations about operating an unlicensed transmitter!

Any of the older guys out there have thoughts on what to use for a grid leak in this beast? My first thought is the arc carbon from an old fashioned movie projector, or the carbon rod pulled out of the center of a dead #6 dry cell battery.

This could be my ticket into the Guinness Book of World's Records! Any suggestions would be appreciated.

73's,

Tom, W9LBB

(If ya can't do it better,  
just use a bigger hammer!)

-----  
Date: Sun, 4 Jan 1998 23:57:13 -0800 (PST)  
From: Randy Zelick <h2rz@odin.cc.pdx.edu>  
To: boatanchors@theporch.com  
Subject: whatsa TS-323  
Message-ID: <Pine.PTX.3.91.980104235558.3946C-100000@odin.cc.pdx.edu>

HI all,

The guts portion of a TS-323 found its way into my airline luggage. It looks kinda like a BC-221, but has a N connector on the front panel suggesting higher frequency range and uses miniature tubes. Can anyone shoot me a print and/or supply some info?

Thanks,

=Randy=

R. Zelick  
Department of Organismal Biology  
Portland State University  
P.O. Box 751  
Portland, OR 97207  
503-725-3086 (voice), 503-725-3888 (fax)  
email: h2rz@odin.cc.pdx.edu  
web: <http://odin.cc.pdx.edu/~h2rz/>

-----  
Date: Mon, 05 Jan 1998 01:53:22 -0800  
From: Ethan <ethan@olywa.net>  
To: Brian.Harris@sv.sc.philips.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: tube ID <again>  
Message-ID: <34B0AD91.4330C538@olywa.net>

Brian Harris wrote:

><snip>  
> JAN-CW-705A (VT-255) - this Western Electric tube has four short thick pins and  
> a plate connection (like a 5894) out the top.  
><snip>

A high-voltage diode, used in radars.

Ethan

-----  
Date: Mon, 5 Jan 1998 04:30:13 CST  
From: jackiv@juno.com (John M Iverson)  
To: Brian.Harris@sv.sc.philips.com  
Cc: boatanchors@theporch.com  
Subject: Re: tube ID <again>  
Message-ID: <19980105.045910.3598.2.jackiv@juno.com>

Found yourself some ww-2 airborne radar stuff? the 2J50 is a magnetron, lees very heavy magnet. the 705A is the power supply rectifier for the pulse modulator, the 715B is the western electric designed pulse tetrode which as my memory serves 27 v heater 60 watt plate dissipation with about a 60 kv hold off. i used 2 of these jewels in a linear for



some years as the cathode current availability is awesome. i ran plate at 3300 with about 6 volts bias, peak currents ran about 300 mils for the pair in grounded grid. should be a good audio tube?? 73

Jack Iverson K0EWU jackiv@juno.com RCA , QCWA, ARCI, IEEE LM, ARRL-

jackiv@starnet.net.com AMI

645 jack's wizard works

On Mon, 5 Jan 1998 01:11:46 -0800 Brian.Harris@sv.sc.philips.com (Brian Harris) writes:

>

>I have the following unusual tubes needing ID:

>

>2J50 (E043138) - these markings are embossed in this large, mostly metal tube.

>It has a waveguide (output?) and two banana plug size sockets in the top of a

>very thick glass cover that is over a much smaller tube. Through the waveguide

>opening another tube (or section of the first) is visible. Painted on the

>mounting flange is 2J50 and V6.

>

>JAN-CW-705A (VT-255) - this Western Electric tube has four short thick pins and

>a plate connection (like a 5894) out the top.

>

>715B - this Raytheon tube has four base pins similar to the 705A but it has a

>large plate cap and is much bigger. The plate and the plate cap are about the

>size of an 813.

>

>73, Brian

>

-----

Date: Mon, 5 Jan 1998 05:18:27 -0800 (PST)

From: Ken Gordon <keng@uidaho.edu>

To: "Thomas A. Adams" <103360.2133@compuserve.com>

Cc: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: The 500 pound regenerative detector...

Message-ID: <Pine.BSF.3.95.980105050824.5343B-100000@piobaire.mines.uidaho.edu>

> Ya wanna talk 500 Henry inductors??? OK...

>

> The audio shunt reactor, from a 20V2 or 20V3, is 500 Henries at 500 MADC.

> In my tube collection is a good, used type 849 transmitting triode, circa  
> about 1938 or thereabouts (about 14" high, and 5" across. Plate dissipation  
> is 250 watts, and it has blades and lugs for connection points).  
>  
> Maybe this is nuts, but how about getting the two together to (temporarily)  
> build the world's BIGGEST regen receiver? With maybe 500 VDC on the plate,  
> the damned thing would probably run a speaker... DIRECTLY, without an  
> audio amplifier stage!  
>  
> As everyone who has ever used a regen knows, if the feedback is set too  
> high it breaks into oscillation, and can be copied on other receivers in  
> the general area. If something like THIS did it, you'd probably be copied  
> in the next county, and be in violation of FCC regulations about operating  
> an unlicensed transmitter!  
>  
> Any of the older guys out there have thoughts on what to use for a grid  
> leak in this beast? My first thought is the arc carbon from an old  
> fashioned movie projector, or the carbon rod pulled out of the center of a  
> dead #6 dry cell battery.

It should work very well, but start out with about 135 volts on the plate and a BIG grid leak, say about 10 meg to start with. Vary the plate voltage up AND down from there to find your "sweet spot". Couple the antenna to the grid as LOOSELY as possible. Several of the Glowbugs regenny gang use a two plate capacitor made of two one inch square pieces of copper or aluminum spaced 1/2 inch apart as their antenna coupling cap. Or a single turn link spaced as much as 3" above the 1/5" diameter regen coil.

I have toyed with the idea of building a regenny out of a NIB 304TL I have here, but it may not have enough transconductance to work well. What I need is a HI mu triode. Hmmm. Maybe one of my 805s will work better.

Also, use the regenny design with uses a "throttle" capacitor to control regeneration. These work much better than any of the resistance type reg controls for a triode.

I think, from the discussions I have read here recently that you will find your rig will have its best sensitivity at fairly low plate voltages.

Also, I certainly hope you aren't going to put your headphones in series with, say, 1500 vdc! We would like to keep you around a while longer!

: -)

Ken W7EKB

-----  
Date: Mon, 5 Jan 1998 13:51 +0000 (GMT Standard Time)  
From: midshires@cix.co.uk (Andrew Emmerson)  
To: boatanchors@theporch.com  
Cc: midshires@cix.co.uk  
Subject: Biraud book  
Message-ID: <memo.19980105135144.34599A@midshires.compulink.co.uk>

Two people have now asked me for details of this book, so I might as well post the details to pre-empt further questions.

RESTORATION & PRESERVATION OF SCIENTIFIC APPARATUS by Guy Biraud (self-published, 1987). A unique book written throughout in two languages (English and French) covering scientific instruments, radios, phonographs, toys and cameras. This is really detailed stuff on coating screws with suet, formulae for blackening different metals, how to make wood mirror-smooth using 19th century materials and so on. The man is a past master at restoring 19th century scientific instruments and everything he discusses uses the same materials and techniques as they did in those days. He does also cover radios up to the 1930s.

The book has 400 pages and each double-page spread has English text on the left and French on the right. Plenty of colour and black-and-white illustrations. Hard backed. English Translation by Richard Foster, an American (so it's not Franglais or pigeon English).

Chapters: Foreword, Advice before purchase, Advice after purchase, Essential equipment, Restoration techniques, Four actual restoration projects, A-Z glossary of formulae and tricks of the trade.

Available from Guy Biraud at the Mus  e Europ  en de la Communication), Ch  teau de Pignerolle, 49124 St Barth  l  my d'Anjou, France (from the USA: 011 33 2-41 93 38 38). Price not stated but around 30 dollars (nothing is cheap in France!). The information in this book is unique and could be considered priceless anyway.

73, Andy.

Andrew Emmerson/Midshires Mediatech/405 Alive  
tel: 07000-405625, international +44 1604-844130  
fax: 01604-821647, international +44 1604-821647

-----  
Date: Mon, 05 Jan 1998 14:26:11 +2400  
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>

To: Ho4bart <Ho4bart@aol.com>  
Cc: boatanchors <boatanchors@theporch.com>  
Subject: Re: audio howl in regens  
Message-ID: <199801051426.0AA00117@punt1.hw.ac.uk>

On 1998-01-04 Ho4bart@aol.com said:

Ho>>low frequency. Has anyone checked this out?  
Ho>regen receivers have this phenomenon called "fringe howl" where at  
Ho>the just-before oscillation setting, there is a not-extremely loud  
Ho>but very annoying high pitched audio tone constantly there.

I would have THOUGHT (without any careful analysis) it was audio oscillation starting when the amplitude and phase of audio FB is just enough for it to start. In other words, not a fault, and only to be expected - as in reaction (although at's RF feedback and the audio arises when the locally generated signal beats with the incoming signal.)

But I'm usually wrong, and much enjoy being put right.

Bill, aka maestro@cix.co.uk.  
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Hannibal, cum victoria posset uti frui maluit

Net-Tamer V 1.10 - Registered

-----  
Date: Mon, 5 Jan 1998 10:17:46 -0000  
From: "Bob Duckworth" <wb4mnf@atl.org>  
To: <n4xy@bellsouth.net>, "Old Tube Radios" <boatanchors@theporch.com>  
Subject: Re: Epoxy? Never on glass  
Message-ID: <199801051407.JAA20899@atl.org>

Stove cement works for me.  
Kinda sandy like the stuff that was in there.  
Can handle s lot more heat than a tube will give it.  
-bob  
wb4mnf  
Atlanta

-----

Date: Mon, 05 Jan 1998 14:25:36 +2400  
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>  
To: broehrig <broehrig@admin.aurora.edu>  
Cc: boatanchors <boatanchors@theporch.com>  
Subject: Re: V large chokes...how large?  
Message-ID: <199801051425.0AA29997@punt1.hw.ac.uk>

On 1998-01-04 broehrig@admin.aurora.edu said:

br>> Yes, we all meant to say hundreds of henries. The plate  
br>>resistance of a remote cutoff pentode is on the order of a megohm,

br>choke that big I am guessing that the distributed capacitance would  
br>cause self resonance at a fairly low frequency. Has anyone checked  
br>this out?

Funny to think I used to work for a small manufacturers called Unilab;  
we made a "huge" choke for "slow AC" demonstrations. It was about 10 kH  
I think; someone please remind me (pref. a satisfied customer) but the  
mass was around 6 or more kg.

About the most difficult task I had was editing the instruction book  
which used calculus to arrive at equations for the impedance of the  
thing, granted that there were 10s of k of turns of fine copper wire.

When a friendly neighbouring teacher and I were satisfied it was all OK,  
the printer got going. And there was no DTP in those days.....we were  
just getting used to an 8K Commodore and thinking it miht come in  
useful one day for something or other, like psychoanalysing the MD.

But I digress.....

Bill, aka maestro@cix.co.uk.  
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Cantabit vacuus coram latrone viator

Net-Tamer V 1.10 - Registered

-----  
Date: Mon, 05 Jan 1998 14:25:51 +2400  
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>  
To: rbarmore <rbarmore@indy.net>  
Cc: boatanchors <boatanchors@theporch.com>  
Subject: Re: V large chokes...how large?  
Message-ID: <199801051425.0AA00105@punt1.hw.ac.uk>

Did you mention that making the winding as a number of "pies" also prevents too migh a V between adjacent turns?

My school had a massive old induction coil, broken. Secondary needed rewinding. Friend and I were set to do it, in 16 separate "layers" separated by wax paper.

Reason: We had acquired an arc lamp from the nearby cinema and took it back to school; fired it up from the DC mains and aimed it at the back of the Physics teacher's jacket, which started smoking.

Offence: Overloading the mains.

Bill, aka maestro@cix.co.uk.

GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Naturam expellat furca, tamen usque recurret

Net-Tamer V 1.10 - Registered

-----  
Date: Mon, 05 Jan 1998 15:01:21 UTC  
From: n5off@w5ddl.aara.org  
To: boatanchors@theporch.com  
Subject: New BA's in Titanic  
Message-ID: <159626@w5ddl.aara.org>

When you see the movie, check out the absolutely stunning, new Marconi transmitters and large keys in the Marconi office. Like everything else in the movie, the props look new out of the box.

I'll bet it cost a pretty penny to research and build that stuff.

73 Tom

-----  
Date: Mon, 5 Jan 1998 10:55:30 -0500  
From: "Fishman, Clark" <cfishman@pica.army.mil>  
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>  
Subject: WTB SK 600 Sockets  
Message-ID: <61184F6C1EF9D0119A6300609798EA461F4257@pica-emh9.pica.army.mil>

I am looking for 2 SK 600 sockets by Eimac for by 4CX250 tubes

Clark Fishman WA2UNN cfishman@pica.army.mil

-----  
Date: Mon, 5 Jan 1998 10:08:50 -0600 (CST)

From: arc5@ix.netcom.com

To: boatanchors@sco.theporch.com

Subject: Re: New BA's in Titanic

Message-ID: <19981510755241@>

On 01/05/98 15:01:21 you wrote:

>

>When you see the movie, check out the absolutely stunning, new

>Marconi transmitters and large keys in the Marconi office

Even though it was just a short part, the Marconi rig  
was really something. Like everything in this movie,  
it was beautiful.

I do believe I have never seen a more cinematicly beautiful film.  
It's a "must see."

73 DE Dave Stinson AB5S

arc5@ix.netcom.com

-----  
Date: Mon, 05 Jan 1998 11:47:25 -0500

From: john <johnmb@mindspring.com>

To: boatanchors@theporch.com

Subject: Strip-X one more time

Message-ID: <199801051647.LAA11306@camel14.mindspring.com>

In case anyone's looking for it, the GC catalog number is 10-2602  
(in the 2 oz bottle) and 10-2616, in the handy 16 oz container...  
GC is at:

800-435-2931

/John

+-----+  
|Wanted: Howard Co. receiver/acc'ys/docs |  
| AWA-OTB back issues... |  
| ----- WB50AU/4 AMI #24 ----- |  
| johnmb@mindspring..com |  
+-----+

-----  
Date: Mon, 5 Jan 1998 09:54:24 -0700 (MST)  
From: shep shepard <shep@northlink.com>  
To: boatanchors@theporch.com  
Subject: NC 300 ACCS WTB  
Message-ID: <199801051654.JAA13126@smtp.northlink.com>

Am looking for NC 300 Speaker/Cabinet and Converters

Shep, AA7MH

-----  
Date: Mon, 05 Jan 1998 11:02:55 -0600  
From: "Samuel C. Macy" <sammac@interaccess.com>  
To: boatanchors@theporch.com  
Subject: REWARD For 1930s QSL Card  
Message-ID: <3.0.32.19980105110246.0068ff80@pop.interaccess.com>

Geetings Old Timers: I will pay reward to borrow or be given for a W2DNN QSL card mailed in the 1930s when my QTH was Ossining, NY. The card has a caricature of me in a stripped prison uniform behind bars in a cell (Sing Sing). I am seated at a table with my rig, wearing a head set and pounding a key. I lost the original. Now that I have received my old call back under Gate 1, I want to make updated QSL cards from the original. Write, call or E-Mail. Sam (847)695-0218 486 Glenwood Trail, Elgin, IL 60120  
Sam Macy W2DNN  
486 Glenwood Trail  
Elgin, IL 60120  
(847)695-0218

-----  
Date: Mon, 5 Jan 1998 12:04:47 -0500  
From: RSOLOMON@systems.TEXTRON.COM  
To: " (052)boatanchors(a)sco.theporch.com"  
<boatanchors@sco.theporch.com>  
Subject: FS: Old Technical Books  
Message-ID: <00341000020749710000002L012\*@MHS>

I have the following "Old" texts for sale or trade:

Terman; Radio Engineers Handbook, 1943 Edition



Pender and Del Mar; Electrical Engineers Handbook, 1936 Edition  
Includes copy of "Supplement to Siemens Pocket Diary"  
1965 Edition

Zworykin and Wilson; Photocells and Their Application, Second  
Edition, 1934

Has interesting section on early Television.

All are in excellent condition considering their age, bindings  
intact, no damage apparent. Owners notation on inside leafs.

I have no idea what these are worth, so any help would be  
appreciated.

Looking for some Bird Slugs, 100A, 500A, 1000A, 500B, 1000C.

e-mail me direct to discuss this, Thanks, Dick, W1KSZ  
rsolomon@systems.textron.com

-----

Date: Mon, 5 Jan 98 11:15:00 CST  
From: listown@jackatak.theporch.com (Mail List Owner)  
To: boatanchors@sco.theporch.com  
Subject: ADMINISTRIVIA: Using The Archives  
Message-ID: <199801051715.LAA28020@jackatak.theporch.com>

Gang-

This periodic post is designed to help everyone gain more value from  
their boatanchors subscription.

SAVE THIS FILE FOR FUTURE REFERENCE!!!!!!

Often I receive an email request, or I read on the list, of someone  
who is aware there is an archive available with some special files  
with special information that is of a more permanent nature than a  
post to the list, but who is unaware of how to retrieve these gems.

In the archives, there are cross-reference tables for Tubes, Military  
Equipment Nomenclature, suggestions for restorations and modifications  
to our beloved fire bottle rigs, and some wonderful stories of real  
adventures and the people involved.

These files may be accessed by email... quickly and easily.

Step One:

send an email (leave the subject blank, or, if your mailer  
requires a subject, type a single character, like "a" in  
the subject box) to:  
listproc@sco.theporch.com

Step Two:  
in the body type:  
index boatanchors

Step Three:  
after checking out the index for files of interest, and finding  
the one or more you want to have sent to you, send another  
email to:  
listproc@sco.theporch.com

and, in the body, type:  
get boatanchors file.name

where you substitute the name of the file from the index  
for "file.name"

This should get you off to a good start. If you encounter any problems,  
please let me know at the address below.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Archiver/Owner - - -  
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

-----  
Date: Mon, 5 Jan 1998 12:42:22 -0600  
From: "Grant Youngman" <nq5t@gte.net>  
To: boatanchors@theporch.com  
Subject: Re: New BA's in Titanic  
Message-ID: <199801051843.MAA15487@smtp1.mailsrvcs.net>

> When you see the movie, check out the absolutely stunning, new  
> Marconi transmitters and large keys in the Marconi office. Like  
> everything else in the movie, the props look new out of the box.

Well, the real things WERE new out of the box. The entire ship was  
NOB :-)

It is a shame that they didn't spend more time in the radio room so  
we could get a longer look at the gear.

Grant/NQ5T

Grant Youngman -- NQ5T  
nq5t@gte.net  
HTTP://home1.gte.net/nq5t  
Double Oak, TX (near Dallas)

-----  
Date: Mon, 5 Jan 1998 11:46:06 -0600  
From: Terry Muncey <Terry@electrosys.com>  
To: "'boatanchors@theporch.com'" <boatanchors@theporch.com>  
Subject: QST's AVAILABLE 1950-1994  
Message-ID:  
<c=US%a=\_ecs%p=ElectroSys%l=WEBMASTER-980105174606Z-703@webmaster.eletrosys.com>

In a recent discussion about the QST's on CD-ROM, I had an overwhelming response of over 75 email messages about my comments about the QST's on CD-ROM. I want to say publicly to all who responded, that I was overwhelmed with the nice comments and indeed, was interested in finding that there were many mis-conceptions about the old QST's on CD-ROM project. It is gratifying to know that there are so many people interested in the research and historical value of this magazine. However, I failed to mention that all of the CD-sets are now available as a resource for BA's from 1950-1994 and can either be ordered from Radio Era Archives (the originator of them for ARRL) or through ARRL itself. There seemed to be some confusion as to where they could be located. Either way, the price is the same of 39.95 per set + S&H. The website for ordering is <http://www.electrosys.com/rea.htm> - - then click on CD's, scroll down to QST and an order button is on the bottom. If anyone on BA net has questions about how the programs work, call me M-F 9AM-5PM CST toll-free at 888-EC-IMAGE. We can handle technical questions about the program that ARRL is not geared up to answer. Soon the 40's will be available as the scanning and indexing is completed and they are now being duplicated for distribution soon. We are now scanning the 30's. By April or so (if we get the teens and 20's to scan), we should be completed with all QST back issues from 1915 to 1994! For any of you who haven't tried out a set, I would say that you should at least try a set for some years that you are interested in. I am sure that if you try it, you will be hooked and will want the entire set.

It is a rare day that I don't read some article, do some research about something or find out something that I didn't know before.

73's to ALL - - - Terry Muncey - WB5OAS "O ld A nd S enile"  
(sounds better than Oranges, Apples and Spam !!)

This is posted as an explanation to questions that were posed to me by BA members as well as additional information about the QST project and

is not meant to be an commercial message.

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Date: Mon, 5 Jan 1998 14:00:11 -0500 (EST)  
From: Brien Pepperdine <pepperb@gov.on.ca>  
To: boatanchors@theporch.com  
Subject: Titanic - some parts supplied by...  
Message-ID: <Pine.OSF.3.93.980105135825.923F-100000@govonca2.gov.on.ca>

For those who care and/or have seen the movie...

I think some of the stuff came from the Hammond Radio Museum in Guelph -  
there is a blurb on the WWW page currently re. the Titanic and things  
Fred supplied to the production (James Cameron, the Director, is of course  
from Niagara Falls, Ontario !)

see the blurb on the museum web page:  
<http://www.kwarc.org/hammond/index.html>

Brien Pepperdine  
Toronto

-----  
Date: Mon, 05 Jan 1998 20:46:44 +2400  
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>  
To: boatanchors <boatanchors@theporch.com>  
Subject: Toob sale  
Message-ID: <199801052046.UAA01840@punt1.hw.ac.uk>

I think I've got them ALL sorted now.

All open to offers, swaps etc.

A few I'd welcome information including educated guesses.

LIST 1: Boxed, believed as good as new:

Type	Qty	Vh	Ih	Va	Ia	Vsg	Isg	Vg	Ra	gm	BASE typeBkPgCol
6SN7	3	2tri	6.3	0.6	250.	9		-8.0	7k7	2.6	I0 31506

6BX7	4	2tri	6.3	1.5	250.	42			1k3	7.6	I0	22207
6060	3	2tri	6.3	0.3	250	10		-2	10	5.5	B9A	22413
ECC83	5	2tri	6.3	0.3	250	1.2		-2	62k5	1.6	B9A	22413
ECC33	1	2tri	6.3	0.4	250	9.0		-4	9k7	3.6	I0	12607
ECC82	1	2tri	6.3	0.3	250	10.5		-8.5	7k7	2.2	B9A	22413

EL360	3	open	6.3	1.27	100.	100	100.	7m.	-7.7	53kj	14	I0	43331
EL86	3	open	6.3	0.75	170.	70	170.	22m.	-12.5	23k	10	B9A	52531
EL41	1	open	6.3	0.7	250	36	250	5.2	-7	40k	10	B8A	14502

6F12	3	pen	6.3	0.3	250	10	250	2.5	-2	900k	7.5	B7G	11409
M8083	1	pen	6.3	0.3	250	10	250	2.5	-2	1000k	7.6	B7G	31117
EF42	1	pen	6.3	0.33	250	10	250	2.3	-2	440k	9.5	B8A	11417
E80F	1	pen	6.3	0.3	170	10	170	2.5	-2	400k	7.4	B9A	11505
6CB6	2	pen	6.3	0.3	200	9.5	150	2.8	-2	600k	6.2	B7G	20527

ME1403 4 ANY INFO WELCOME (ME1402 = tetrode.)

ME1401	2	tri	1.25	13mA.	9.	0.1m.		-2.5		.08	wires
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ECH35	1	tri	hex	6.3	0.3	250	3.0	100	3.0	100	3.3	-2	1M3	.65	I0	10408
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QS75/20	1						gas regulator, 75V, 20 mA max					B7G	21433
4687	3						gas regulator, 90-100; 130st, 10-40mA					I0	21416
85A2	7						gas regulator, 85 out, 125 strike					B7G	11609
150B2	3						gas regulator, 143-147, 180 in, 5-15 m					B7G	21324
2D21	4	gtet	6.3	0.6	400pk		Gas tetrode relay					B7G	21422

90CV							photocell					B7G	
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=====

# LIST 2:

qty (1 unless stated)

12FQ8	20
12SH7	
25Z4	
5R4	2
6AL5	
6C5	
6D6	3
6J5	
6K6	
6L6	3
6SK7	
6V6	
85AZ	
CV138	= EF91

CV140 6AL5  
 CV850 = 6AK5 2  
 EAF42  
 EB34  
 EB91  
 ECC82 3  
 ECC83 4  
 ECC86 6  
 ECL80  
 EF37A  
 EF41 5  
 EF80 5  
 EF85  
 EZ80  
 GZ32  
 KT33  
 PC86  
 PC88  
 PC97 ANY INFO WELCOME  
 PCC89  
 PCF86  
 PCL82  
 PCL85 3  
 PFL200 ANY INFO WELCOME  
 PL504 ANY INFO WELCOME  
 PY88 2  
 UY41  
 VR150  
 VR54 = EB34  
 VT139  
 VU71

1 Marks erased. Cold-cathode 3-electrode device with top cap & B9 base - info welcome.

1 Crystal with I0 base, Admiralty, "80.852 KC/S" - any ideas what for?

1 Hivac "XSG2.0V" ANY INFO WELCOME. Also marked "47A" with "47C" on 4-pin miniature base. Might be "collector's item".

1 PL??? Looks like line O/P, slightly less anode than PL504, also has I0 base (and top cap anode). Any info welcome.

Regarding swaps: (1) I've lots of other 1950s bits and pieces - please ask; (2) I'm looking for a cheapo push-pull OP transformer; hi-fi not important; ideal anode-to-anode load 10 kohm, at least 25 watts class A, anode current (each) expected to be about 125 mA. I realise the cost of carriage is likely to be the prohibitive factor.

Thanks for your interest,

Bill, aka maestro@cix.co.uk.

GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Possunt quia posse videntur

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-----  
Date: Mon, 5 Jan 1998 15:05:16 -0600 (CST)  
From: Merv Schweigert <k9fd@htc.net>  
To: boatanchors@theporch.com  
Subject: For Trade  
Message-ID: <199801052105.PAA26552@ns.htc.net>

I am in the process of fixing up a HRO-MX and have some parts that I would trade for other national parts, if no trades I am going to modify them to work for what I need. But first would like to offer them in one piece in case someone needs them.

#1 Dog house power supply 686 S 6VDC. In pretty good shape and would restore nicely. Has the original power cord.

#2 Rack mount power supply SPU 686 S 6VDC. Havnt opened it up to check inside yet, outside could use refinishing has a fuse holder on the front I dont think is original.

#3 RAS coils. Have some RAS coils and rack mounted coil rack. No nomenclature tags on the rack.

Looking to trade the above for HRO coils for a HRO-M or a HRO-5, And a 110v dog house supply, may consider a non working one in good shape, and/or a national speaker for a HRO black wrinkle. I may have some rack mount coil boxes and the rack mount coil box with the speaker for swap also.

Hate to modify good parts, but if cant find what I need am going to change the dog house over to a 110v supply. The RAS coils will become parts for bandspread coild for the HRO. Save em if you need em. No hurry here, and will be out of town in a week or so, so if no reply or mail bounces I will be back at the end of January.

73 Thanks Merv K9FD

-----  
Date: Mon, 5 Jan 98 14:09:51 MST  
From: Pete McCollum 05-Jan-1998 1343 -0700 <mccollum@ssdevo.ENET.dec.com>  
To: us3rmc"boatanchors@theporch.com"@us3rmc.cxo.dec.com  
Subject: GRC-109 info  
Message-ID: <9801052109.AA15650@us3rmc.cxo.dec.com>

For those interested in GRC-109 / RS-1 / RS-6 stuff:  
The Boatanchors archive now has an updated version of my compiled  
info on these radios (and the GRA-71).

And, for those that are really interested in the historical details,  
I can e-mail the very latest version on request (I've changed a couple  
of things since the Archives were updated).

To get the Archive copy:  
Send a msg to listproc@theporch.com , with just the following line  
in the body of the message:

get boatanchors clandestine.gear

Pete  
mccollum@ssdevo.enet.dec.com

-----  
Date: Mon, 5 Jan 1998 22:29:51 -0800  
From: Bill Coleman N2BC <n2bc@ibm.net>  
To: boatanchors@theporch.com, COLLINS@LISTSERV.TEMPE.GOV  
Subject: FS: KWM-2, 516F-2, 312B-4  
Message-ID: <BMSMTP8840677006wf2awdc@pop3.ibm.net>

Have a nice M-2 station available. M-2 is in nice shape, needs cleaning. B-4  
cabinet has been touched up, F-2 and cabinet are in nice shape. All units CCA  
Very Good (the cabinet on the B-4 might be a stretch to VG...)

Inquiries via Email pls.

THX, Bill

-----  
Bill Coleman (N2BC)

-----  
Email: n2bc@ibm.net  
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Date: Mon, 05 Jan 1998 23:45:48 +2400  
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>  
To: keng <keng@uidaho.edu>  
Cc: boatanchors <boatanchors@theporch.com>  
Subject: Re: The 500 pound regenerative detector...  
Message-ID: <199801052345.XAA02051@punt1.hw.ac.uk>

On 1998-01-05 keng@uidaho.edu said:

ke>plate voltages. Also, I certainly hope you aren't going to put your  
ke>headphones in series with, say, 1500 vdc! We would like to keep  
ke>you around a while longer! :-)  
ke>Ken W7EKB

Reminds me. When our tutor first mentioned electrostatic loudspeakers,  
two of us stood side by side pressing a sheet of brown paper between one  
left and one right ear. Then we each touched one anode terminal of a  
push-pull amplifier which was playing some old 78 or other.

The quality of the audio was superb.

Our teacher said "I've never actually LOST anyone....."

Bill, aka maestro@cix.co.uk.  
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Mores puerorum se inter ludendum detegunt

Net-Tamer V 1.10 - Registered

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End of BOATANCHORS Digest 1866  
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